


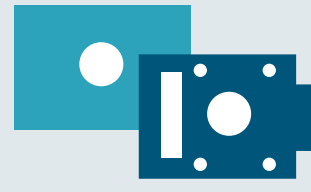


# Drive innovation with system simulation

Simcenter Amesim helps you gain efficiency throughout the product lifecycle

## Address industry challenges

<p><b>Fulfill requirements</b></p> 	<p><b>Frontload design decisions</b></p> 	<p><b>Validate performance earlier</b></p> 	<p><b>Design complex systems faster</b></p> 
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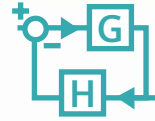
## Meet the challenges with Simcenter Amesim

Predict mechatronic systems performances	<b>Balance conflicting attributes</b>	Benchmark multiple options
<b>Reduce prototyping and testing cost</b>	Optimize system design	<b>Verify and calibrate controls</b>

## Model systems faster with ready-to-use multi-domain libraries

**>49 libraries**      **>6500 multiphysics models**

**Analytical representations of physical phenomena**

				
<b>Fluids</b>	<b>Mechanics</b>	<b>Thermodynamics</b>	<b>Electrics</b>	<b>Controls</b>

## Use application and industry-oriented solutions

<b>Automotive and transportation</b>	<b>Aerospace and defense</b>	<b>Heavy equipment</b>
		
<b>Marine</b>	<b>Energy and utilities</b>	<b>Industrial machinery</b>
		

## Streamline system simulation with a powerful platform

<b>Open environment</b>	Workflow customization	<b>Task automation</b>
Enterprise process integration	<b>Model and data management</b>	More simulations in less time

## Simcenter Amesim delivers real-world results

<p><b>1 year</b></p> <p>reduction in fuel system design cycle</p> <p><i>Source: Airbus Helicopter</i></p>	<p><b>1,000</b></p> <p>simulations per day</p> <p><i>Source: Bosch</i></p>	<p><b>80%</b></p> <p>reduction in development time</p> <p><i>Source: MAN Energy Solutions</i></p>	<p><b>75%</b></p> <p>reduction in controls development time</p> <p><i>Source: Plastic Omnium</i></p>
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To learn more about system simulation with Simcenter™ Amesim™ software, visit : [www.siemens.com/simcenter-amesim](http://www.siemens.com/simcenter-amesim)